



# Recombinant Protein Technical Manual

## Recombinant Human CTRL Protein (His Tag)

RPES0604

### Product Data:

**Product SKU:** RPES0604

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P40313

### Protein Information:

**Molecular Mass:** 27.2 kDa

**AP Molecular Mass:** 30 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Chymotrypsin-Like Protease CTRL; CTRL; CTRL1

## Immunogen Information:

**Sequence:** Cys19-Asn264

## Background:

Chymotrypsin-Like Protease CTRL is a protease that belongs to the peptidase S1 family. Human CTRL is synthesized as a 264 amino acid (aa) precursor that contains an 18 aa signal sequence, 15 aa activation peptide and a 231 aa mature chain. CTRL Contains 1 peptidase S1 domain. It has many molecular functions, such as hydrolase, protease, and serine protease. CTRL plays a role in digest and hydrolyze proteins in biological process.